AIR PERMIT ROUTING/APPROVAL SLIP-Permit

MAY - 3 2011

AI No.	4634	Company	LOOP LLC	Date Received	12/23/2010
Activity No.	PER20100001	Facility	Port Complex	Permit Type	
CDS No.	1560-00027	Permit No.	1560-00027-V0	Expedited Permit	☐yes ☒no

1. Technical Review	Approved	Date rec'd	Date FW	Comments
Permit Writer Syed		1/4/11	2/7/11	
Air Quality / Modeling				
Toxics				
PSD/NNSR				
Technical Advisor	Dan		2/7/11	
9Supervisor				
Other				
2. Management Review (if PN req'd)	**Approved**	**Date rec'd**	**Date FW**	**Comments**
Supervisor				
Manager	DWC		2/21/11	
Assistant Secretary (PN)			3/4/11	
3. Response to Comments (if PN req'd)	**Approved**	**Date rec'd**	**Date FW**	**Comments**
Supervisor				
Manager				
Administrator				
Legal (BFD)				
4. Final Approval	**Approved**	**Date rec'd**	**Date FW**	**Comments**
Supervisor				
Manager	OUT			No Comments
Assistant Secretary			5/2/11	

1. Technical Review

PN of App needed	☒ yes ☐ no	Date of PN of App		Newspaper	
Fee paid	☒ yes ☐ no				
NSPS applies	☒ yes ☐ no	PSD/NNSR applies	☐ yes ☒ no	NESHAP applies	☑ yes ☐ no

2. Post-Technical Review

Company technical review	☒ yes ☐ no ☐ n/a	E-mail date	1/26/11	Remarks received	☒ yes ☒ no
Surveillance technical review	☒ yes ☐ no ☐ n/a	E-mail date	2/7/11	Remarks received	☐ yes ☒ no

3. Public Notice

Public Notice Required	☒ yes ☐ no				
Library	☒ Le Frank P. Lib		PPG MAR 07 2011		
PN newspaper 1/City	*The Advocate*/Baton Rouge	PN Date	3/16/11	EDMS Verification	☐ yes ☐ no
PN newspaper 2/City	Daily Comet	PN Date	3/16/11		☐ yes ☐ no
Company notification letter sent	Date mailed	3/14/11			
EPA PN notification e-mail sent	Date e-mailed	3/15/11			
OES PN mailout	Date	3/16/11			

4. Final Review

Public comments received	☐ yes ☒ no	EPA comments rec'd	☐ yes ☒ no	Date EPA Resp. to Comments-mailed	
Company comments received	☐ yes ☒ no	PN info entered into Permit Sec VI	☒ yes ☐ no	Date EPA approved permit	
Comments					

BOBBY JINDAL
GOVERNOR

PEGGY M. HATCH
SECRETARY

State of Louisiana

DEPARTMENT OF ENVIRONMENTAL QUALITY
ENVIRONMENTAL SERVICES

Certified Mail No. 7006 0810 0003 0354 6474

Activity No.: PER20100001
Agency Interest No. 4634

Mrs. CaSandra J. Cooper-Gates
Senior Vice President Administration
LOOP LLC – Port Complex
137 Northpark Drive
Covington, Louisiana 70433-5071

RE: Part 70 Operating Permit
LOOP LLC - Port Complex
Galliano, Lafourche Parish, Louisiana

Dear CaSandra J. Cooper-Gates:

This is to inform you that the permit modification for the above referenced facility has been approved under LAC 33:III.501. The permit is both a state preconstruction and Part 70 Operating Permit. The submittal was approved on the basis of the emissions reported and the approval in no way guarantees the design scheme presented will be capable of controlling the emissions as to the types and quantities stated. A new application must be submitted if the reported emissions are exceeded after operations begin. The synopsis, data sheets and conditions are attached herewith.

It will be considered a violation of the permit if all proposed control measures and/or equipment are not installed and properly operated and maintained as specified in the application.

Operation of this facility is hereby authorized under the terms and conditions of this permit. This authorization shall expire at midnight on the 2 of May, 2016, unless a timely and complete renewal application has been submitted six months prior to expiration. Terms and conditions of this permit shall remain in effect until such time as the permitting authority takes final action on the application for permit renewal. The permit number and agency interest number cited above should be referenced in future correspondence regarding this facility.

Please be advised that pursuant to provisions of the Environmental Quality Act and the Administrative Procedure Act, the Department may initiate review of a permit during its term. However, before it takes any action to modify, suspend or revoke a permit, the Department shall, in accordance with applicable statutes and regulations, notify the permittee by mail of the facts or operational conduct that warrant the intended action and provide the permittee with the opportunity to demonstrate compliance with all lawful requirements for the retention of the effective permit.

Done this 2 day of May, 2011.

Permit No.: 1560-00027-V0

Sincerely,

S L Phillips

Sam L. Phillips
Assistant Secretary

SGQ
c: EPA Region VI

AIR PERMIT BRIEFING SHEET
AIR PERMITS DIVISION
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

LOOP LLC - Port Complex
Agency Interest No.: 4634
LOOP LLC
Galliano, Lafourche Parish, Louisiana

I. Background

LOOP LLC - Port Complex consists of pipeline terminal facilities existing in Galliano and Leeville located in Lafourche Parish. The LOOP LLC - Port Complex currently operates under Permit No. 1560-00027-03, issued June 12, 2007.

II. Origin

A permit application and Emission Inventory Questionnaire were submitted by LOOP LLC on December 23, 2010 requesting a Part 70 operating permit. Additional information as of February 4, 2011 was also received.

III. Description

The LOOP LLC – Port Complex consists of the Clovelly Dome Storage Terminal in Galliano, the Small Boat Harbor in Leeville, the Fourchon Booster Station in Leeville, and the Marine Offloading Terminal in Grand Isle Block 59 of the Gulf of Mexico. The Clovelly Dome Storage Terminal consists of nine underground storage caverns. These caverns provide storage for crude oil prior to pipeline delivery. Eight of the caverns have a capacity of approximately 6 MM barrels of oil, and one cavern has a capacity of 3 MM barrels of oil. The terminal also consist of surface facilities located in the same general vicinity which include a Brine Storage Reservoir, Operations Building, crude oil storage tanks, fuel and slop oil tanks, a turbine generator, and ancillary equipment. The Small Boat Harbor, which is located on Bayou Lafourche, shelters crew and work boats and includes hose testing facilities. The Fourchon Booster Station is a secured unmanned facility with two large diesel storage tanks and a few small storage tanks. Emission control systems utilized at the LOOP Complex facilities include the latest storage tank technology, mechanical seals on pumps, and low sulfur fuel oil.

LOOP LLC proposes to expand its Clovelly Dome Storage Terminal and bring the facility under Part 70 requirements as follows:

1. Add six (6) 600,000 bbl crude oil storage tanks (Emission Point Nos. 16-10 through 21-10);
2. Add one 520 hp Emergency Generator (Emission Point 1-10);
3. Include the new tanks and the landing losses in the existing cap (Emission Point TANK CAP);
4. Update fugitive emissions based on the modification;
5. Update the emissions based on a Reid Vapor Pressure (RVP) change from 5 to 8;

6. Update the emissions of the tanks based on the existing tank fittings;
7. Remove from the inventory a Turbine Generator (Emission Point 7-78);
8. Remove from the inventory a Small Boat Harbor Fire Pump (Emission Point 16-78),
9. Update the nomenclature and emissions for the engines based on audit, AP-42 emission factors and source description; and
10. Update the insignificant activities based on the audit and modification.

Estimated emissions in tons per year are as follows:

Pollutant	Before	After	Change
PM_{10}	1.05	2.34	+ 1.29
SO_2	22.56	1.88	- 20.68
NO_X	45.56	51.23	+ 5.67
CO	1.76	10.01	+ 8.25
VOC **	93.82	182.59	+ 88.77*

* LOOP LLC – Port Complex will in future be a regulated facility under Prevention of Significant Deterioration (PSD) program; the facility was previously a minor source of criteria pollutants and the current changes do not constitute a major modification.

**VOC LAC 33:III Chapter 51 Toxic Air Pollutants (TAPs):			
Pollutant	Before	After	Change
Acetaldehyde	0.001	0.04	+ 0.04
Benzene	0.924	1.20	+ 0.28
Cumene	0.023	0.03	+ 0.01
Ethyl benzene	0.124	0.15	+ 0.03
Formaldehyde	0.001	0.06	+ 0.06
n-Hexane	0.948	1.12	+ 0.17
Toluene	0.590	0.66	+ 0.07
Xylenes	0.447	0.44	- 0.01
Total	**3.06**	**3.70**	**0.64**
Other VOC		**178.89**	

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LOOP LLC - Port Complex
Agency Interest No.: 4634
LOOP LLC
Galliano, Lafourche Parish, Louisiana

IV. Type of Review

This permit was reviewed for compliance with 40 CFR 70 and the Louisiana Air Quality Regulations, New Source Performance Standards (NSPS) and National Emission Standards for Hazardous Air Pollutants (NESHAP). Prevention of Significant Deterioration (PSD) does not apply.

This facility is a minor source of toxic air pollutants (TAPs) under LAC 33:III.Chapter 51 and an area source under the federal requirements.

V. Credible Evidence

Notwithstanding any other provisions of any applicable rule or regulation or requirement of this permit that state specific methods that may be used to assess compliance with applicable requirements, pursuant to 40 CFR Part 70 and EPA's Credible Evidence Rule, 62 Fed. Reg. 8314 (Feb. 24, 1997), any credible evidence or information relevant to whether a source would have been in compliance with applicable requirements if the appropriate performance or compliance test or procedure had been performed shall be considered for purposes of Title V compliance certifications. Furthermore, for purposes of establishing whether or not a person has violated or is in violation of any emissions limitation or standard or permit condition, nothing in this permit shall preclude the use, including the exclusive use, by any person of any such credible evidence or information.

VI. Public Notice

A notice requesting public comment on the permit was published in *The Advocate*, Baton Rouge and in *The Lafourche Gazette* in Lafourche Parish on March 16, 2011. A copy of the public notice was mailed to concerned citizens listed in the Office of Environmental Services Public Notice Mailing List on March 16, 2011. The draft permit was also submitted to US EPA Region VI on March 15, 2011. No comments were received from the general public or any organization.

VII. Effects on Ambient Air

Emissions associated with the proposed modification were reviewed by LDEQ to ensure compliance with the NAAQS and AAS. LDEQ did not require the applicant to model emissions.

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LOOP LLC - Port Complex
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LOOP LLC
Galliano, Lafourche Parish, Louisiana

Dispersion Model(s) Used: None

Pollutant	Time Period	Calculated Maximum Ground Level Concentration	Louisiana Toxic Air Pollutant Ambient Air Quality Standard or (National Ambient Air Quality Standard {NAAQS})
NA			

VIII. General Condition XVII Activities

		Emission Rates - tons				
Work Activity	Schedule	PM_{10}	SO_2	NO_X	CO	VOC
NA						

IX. Insignificant Activities

ID No.:	Description	Citation
2-78	Diesel Fuel Tank for Turbine Generator (Clovelly Dome), 8,200 gallons	LAC 33:III.501.B.5.A.3
22-78	Diesel Fuel Tank for Emergency Crude Pump (Clovelly Dome), 8,200 gallons	LAC 33:III.501.B.5.A.3
25-88	Tank 3 – Operations Center – Diesel Tank (Clovelly Dome), 550 gallons	LAC 33:III.501.B.5.A.3
26-88	Tank 4 – Operations Center – Diesel Tank (Clovelly Dome), 4,000 gallons	LAC 33:III.501.B.5.A.3
27-88	Tank 5 – Fourchon Booster Station Diesel Tank, 1,000 gallons	LAC 33:III.501.B.5.A.3
28-88	Tank 6 – Fourchon Booster Station Emergency Generator Diesel Tank (Clovelly Dome), 322 gallons	LAC 33:III.501.B.5.A.3
29-88	Tank 7 – Fourchon Booster Station Dock Diesel Tank, 560 gallons	LAC 33:III.501.B.5.A.3
30-88	Tank 8 – Clovelly Day Tank for Fire Pumps, 80 gallons	LAC 33:III.501.B.5.A.2

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LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

LOOP LLC - Port Complex
Agency Interest No.: 4634
LOOP LLC
Galliano, Lafourche Parish, Louisiana

ID No.:	Description	Citation
31-88	Tank 9 – Clovelly Day Tank for Generators, 115 gallons	LAC 33:III.501.B.5.A.2
32-88	Tank 10 – Clovelly Underground Slop Oil Tank by Lab, 2,000 gallons	LAC 33:III.501.B.5.A.3
34-88	Tank 12 – Small Boat Harbor Diesel Tank, 260 gallons	LAC 33:III.501.B.5.A.3
36-89	Day Tank for Operations Center Standby Generator (Clovelly Dome), 94 gallons	LAC 33:III.501.B.5.A.2
37-91	Small Boat Harbor Diesel Tank, 564 gallons	LAC 33:III.501.B.5.A.3
*	Emergency Portable Generator Engines	LAC 33:III.501.B.5.B.45

* Exemption for portable generator engines is granted on the basis that the rental equipment is not subject to the New Source Performance Standard, 40 CFR 60 Subpart IIII or JJJJ and NESHAP and 40 CFR 63 Subpart ZZZZ. In accordance with 40 CFR 1068.31(e), a nonroad engine ceases to be a nonroad engine and becomes a stationary engine if it is used or will be used at this facility for 12 months or longer.

X. Table 1. Applicable Louisiana and Federal Air Quality Requirements

ID No.:	Description	LAC 33:III.Chapter																			
		5▲	509	9	11	13	15	2103	2104*	2107	2111	2113	2115	2116*	2121	22	29*	51*	53*	56	59*
UNF01	LPC, LOOP – Port Complex	1		1	1	1	2				1	1	2				1	2		1	2
EQT03	1-78, Crude Relief Tank (Clovelly Dome)							1													
EQT04	5-78, Slop Oil Tank (Small Boat Harbor)							2													
EQT06	11-78, Fourchon Booster Station Tank No. 1 – Diesel Fuel							2													
EQT07	12-78, Salt Dome Cavities (9), Piping, and Brine Storage Reservoir (Clovelly Dome)																				
EQT08	13-78, Fourchon Booster Station Tank No. 2 – Diesel Fuel							2													
EQT09	15-78, 805 hp Fourchon Booster Station –Standby Generator				1	1															
EQT11	17-78, 671 hp Operations Center Standby Generator (Clovelly Dome)				1	1															
EQT12	18-78, 860 hp Emergency Crude Transfer Pump (Clovelly Dome)				1	1															
EQT13	19-78, 10 hp Portable Diesel Generator (Clovelly Dome)				1	1															
EQT14	20-78, Clovelly Fire Pump				1	1															
EQT15	21-78, Standby Generator – Brine Storage Reservoir (Clovelly Dome)				1	1															

X. Table 1. Applicable Louisiana and Federal Air Quality Requirements

ID No.:	Description	LAC 33:III.Chapter																		
		5▲	509	9	11	13	15	2103	2104*	2107	2111	2113	2115	2116*	2121	22	29*	51*	53*	56	59*
EQT16	23-88, Tank 1 Operations Center – Gasoline Tank (Clovelly Dome)							1													
EQT17	24-88, Tank 2 Operations Center – Gasoline Tank (Clovelly Dome)							1													
EQT18	35-88, Fire School Pump (Clovelly Dome)				1	1															
EQT19	38-91, Operations Center Fire Pump (Clovelly Dome)				1	1															
EQT20	5-99, Crude Oil Tank Farm Firewater Pump (Clovelly Dome)				1	1															
EQT21	1-07, Emergency Generator				1	1															
EQT22	2-07, Emergency Generator				1	1															
EQT23	3-07, Emergency Generator				1	1															
EQT24	4-07, Emergency Generator				1	1															
EQT25	5-07, Emergency Generator				1	1															
EQT26	6-07, Emergency Generator				1	1															
EQT27	1-99, Tank 6401 (Clovelly Dome) External Floating Roof (EFR)							1													
EQT28	2-99, Tank 6402 (Clovelly Dome)							1													
EQT29	3-99, Tank 6405 (Clovelly Dome)							1													
EQT30	4-99, Tank 6406 (Clovelly Dome)							1													

X. Table 1. Applicable Louisiana and Federal Air Quality Requirements

ID No.:	Description	LAC 33:III.Chapter																			
		5▲	509	9	11	13	15	2103	2104*	2107	2111	2113	2115	2116*	2121	22	29*	51*	53*	56	59*
EQT31	6-02, Tank 6409 (Clovelly Dome)							1													
EQT32	7-02, Tank 6410 (Clovelly Dome)							1													
EQT33	8-07, Tank 6403 (Clovelly Dome)							1													
EQT34	9-07, Tank 6404 (Clovelly Dome)							1													
EQT35	10-07, Tank 6407 (Clovelly Dome)							1													
EQT36	11-07, Tank 6408 (Clovelly Dome)							1													
EQT37	12-07, Tank 6411 (Clovelly Dome)							1													
EQT38	13-07, Tank 6412 (Clovelly Dome)							1													
EQT39	14-07, Tank 6413 (Clovelly Dome)							1													
EQT40	15-07, Tank 6414 (Clovelly Dome)							1													
EQT41	16-10, Tank 6415 (Clovelly Dome)							1													
EQT42	17-10, Tank 6416 (Clovelly Dome)							1													
EQT43	18-10, Tank 6417 (Clovelly Dome)							1													
EQT44	19-10, Tank 6418 (Clovelly Dome)							1													
EQT45	20-10, Tank 6419 (Clovelly Dome)							1													
EQT46	21-10, Tank 6420 (Clovelly Dome)							1													
EQT47	1-10, 520 hp Emergency Generator				1	1															
FUG01	10-78, Fugitive Emissions (Clovelly Dome)										1				2						

* The regulations indicated above are State Only regulations.
▲ All LAC 33:III Chapter 5 citations are federally enforceable including LAC 33:III.501.C.6 citations, except when the requirement found in the "Specific Requirements" report specifically states that the regulation is State Only.

KEY TO MATRIX

1 --The regulations have applicable requirements that apply to this particular emission source.
-The emission source may have an exemption from control stated in the regulation. The emission source may not have to be controlled but may have monitoring, recordkeeping, or reporting requirements.

2 -The regulations have applicable requirements that apply to this particular emission source but the source is currently exempt from these requirements due to meeting a specific criterion, such as it has not been constructed, modified or reconstructed since the regulations have been in place. If the specific criteria changes the source will have to comply at a future date.

3 -The regulations apply to this general type of emission source (i.e. vents, furnaces, towers, and fugitives) but do not apply to this particular emission source.

Blank – The regulations clearly do not apply to this type of emission source.

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

LOOP LLC - Port Complex
Agency Interest No.: 4634
LOOP LLC
Galliano, Lafourche Parish, Louisiana

X. Table 1. Applicable Louisiana and Federal Air Quality Requirements

ID No.:	Description	40 CFR 60 NSPS									40 CFR 61			40 CFR 63 NESHAP					40 CFR	
		A	K	Ka	Kb	Db	Dc	GG	KKK	IIII	A	J	V	A	HH	SS	VV	ZZZZ	64	68
UNF001	LPC, LOOP – Port Complex	1												1						2
EQT003	1-78, Crude Relief Tank (EFR) (Clovelly Dome)			1																
EQT004	5-78, Slop Oil Tank (Small Boat Harbor)			2																
EQT006	11-78, Fourchon Booster Station Tank No 1 – Diesel Fuel			2																
EQT007	12-78, Salt Dome Cavities (9), Piping, and Brine Storage Reservoir (Clovelly Dome)																			
EQT008	13-78, Fourchon Booster Station Tank No 2 – Diesel Fuel			2																
EQT009	15-78, 805 hp Fourchon Booster Station – Standby Generator									2								1		
EQT011	17-78, 671 hp Operations Center Standby Generator (Clovelly Dome)									2								1		
EQT012	18-78, 860 hp Emergency Crude Transfer Pump (Clovelly Dome)									2								1		
EQT013	19-78, 10 hp Portable Diesel Generator (Clovelly Dome)									2								1		
EQT014	20-78, Clovelly Fire Pump									2								1		
EQT015	21-78, Standby Generator – Brine Storage Reservoir (Clovelly Dome)									2								1		

X. Table 1. Applicable Louisiana and Federal Air Quality Requirements

ID No.:	Description	40 CFR 60 NSPS									40 CFR 61			40 CFR 63 NESHAP					40 CFR	
		A	K	Ka	Kb	Db	Dc	GG	KKK	IIII	A	J	V	A	HH	SS	VV	ZZZZ	64	68
EQT016	23-88, Tank 1 Operations Center – Gasoline Tank (Clovelly Dome)				2									Subpart CCCCCC applies						
EQT017	24-88, Tank 2 Operations Center – Gasoline Tank (Clovelly Dome)				2									Subpart CCCCCC applies						
EQT018	35-88, Fire School Pump (Clovelly Dome									2								1		
EQT019	38-91, Operations Center Fire Pump (Clovelly Dome)									2								1		
EQT020	5-99, Crude Oil Tank Farm Firewater Pump (Clovelly Dome)									2								1		
EQT021	1-07, Emergency Generator									2								1		
EQT022	2-07, Emergency Generator									2								1		
EQT023	3-07, Emergency Generator									2								1		
EQT024	4-07, Emergency Generator									2								1		
EQT025	5-07, Emergency Generator									2								1		
EQT026	6-07, Emergency Generator									2								1		
EQT027	1-99, Tank 6401 (Clovelly Dome) External Floating Roof				1															
EQT028	2-99, Tank 6402 (Clovelly Dome)				1															
EQT029	3-99, Tank 6405 (Clovelly Dome)				1															
EQT030	4-99, Tank 6406 (Clovelly Dome)				1															
EQT031	6-02, Tank 6409 (Clovelly Dome)				1															

X. Table 1. Applicable Louisiana and Federal Air Quality Requirements

ID No.:	Description	40 CFR 60 NSPS									40 CFR 61			40 CFR 63 NESHAP					40 CFR	
		A	K	Ka	Kb	Db	Dc	GG	KKK	IIII	A	J	V	A	HH	SS	VV	ZZZZ	64	68
EQT032	7-02, Tank 6410 (Clovelly Dome)				1															
EQT033	8-07, Tank 6403 (Clovelly Dome)				1															
EQT034	9-07, Tank 6404 (Clovelly Dome)				1															
EQT035	10-07, Tank 6407 (Clovelly Dome)				1															
EQT036	11-07, Tank 6408 (Clovelly Dome)				1															
EQT037	12-07, Tank 6411 (Clovelly Dome)				1															
EQT038	13-07, Tank 6412 (Clovelly Dome)				1															
EQT039	14-07, Tank 6413 (Clovelly Dome)				1															
EQT040	15-07, Tank 6414 (Clovelly Dome)				1															
EQT041	16-10, Tank 6415 (Clovelly Dome)				1															
EQT042	17-10, Tank 6416 (Clovelly Dome)				1															
EQT043	18-10, Tank 6417 (Clovelly Dome)				1															
EQT044	19-10, Tank 6418 (Clovelly Dome)				1															
EQT045	20-10, Tank 6419 (Clovelly Dome)				1															
EQT046	21-10, Tank 6420 (Clovelly Dome)				1															
EQT047	1-10, 520 hp Emergency Generator									1								1		
FUG001	10-78, Fugitive Emissions (Clovelly Dome)																			

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

LOOP LLC - Port Complex
Agency Interest No.: 4634
LOOP LLC
Galliano, Lafourche Parish, Louisiana

KEY TO MATRIX

1 -The regulations have applicable requirements that apply to this particular emission source.
-The emission source may have an exemption from control stated in the regulation. The emission source may not have to be controlled but may have monitoring, recordkeeping, or reporting requirements.

2 -The regulations have applicable requirements that apply to this particular emission source but the source is currently exempt from these requirements due to meeting a specific criterion, such as it has not been constructed, modified or reconstructed since the regulations have been in place. If the specific criteria changes the source will have to comply at a future date.

3 -The regulations apply to this general type of emission source (i.e. vents, furnaces, towers, and fugitives) but do not apply to this particular emission source.

Blank – The regulations clearly do not apply to this type of emission source.

XI. Explanation for Exemption Status or Non-Applicability of a Source

ID No:	Requirement	Status	Citation	Explanation
UNF001 LPC, LOOP LLC – Port Complex	Comprehensive Toxic Air Pollutant Emission Control Program LAC 33:III.Chapter 51	Exempt	40 CFR 63.560(a)(2)	Facility is not a major source of toxic air pollutants as defined under LAC 33:III.5103 and 5105.B –Special Provisions
	Chemical Accident Prevention Provisions 40 CFR 68 Chemical Accident Prevention and Minimization of Consequences LAC 33:III.Chapter 59	Does not apply	40 CFR 68.10 LAC 33.III.5901	Facility does not store or process any referenced listed substance greater than the threshold amounts. [LAC 33.III.5901]
	LAC 33:III.1503. Emission Standards for Sulfur Dioxide	Exempt	LAC 33:III.1503.C	All the emission points sources emit SO_2 emissions less than 5 tons/year
	Waste Gas Disposal LAC 33:III.2115	Does not apply	LAC 33:III.2115	Facility does not have nay waste gas streams
EQT004, EQT006, and EQT008 5-78, Slop Oil Tank (Small Boat Harbor), 11-78 and 13-78, Fourchon Booster Station No. 2 Fuel Tank No. 1 and 2	Control of Emissions of Organic Compounds – Storage of Volatile Organic Compounds LAC 33:III.Chapter 21	Does not apply	LAC 33:III.2103.B	Stored material having the maximum true vapor pressure less than the threshold of 1.5 psia
	NSPS, Subpart Ka	Does not apply	40 CFR 60.110a(a)	Does not store petroleum liquids

XI. Explanation for Exemption Status or Non-Applicability of a Source

ID No:	Requirement	Status	Citation	Explanation
EQT009, EQT0011, EQT013, EQT015, EQT021 thru EQT26 Emergency Generator Engines	NSPS, Subpart IIII – Standards of Performance for Stationary Compression Ignition Internal Combustion Engines 40 CFR 60.4200	Does not apply	40 CFR 60.4200(a)(2)(i) 40 CFR 60.4200(a)(3)	Engines are not fire pumps and were manufactured prior to April 1, 2006 and were not modified or reconstructed after July 11, 2005
EQT012, EQT014, and EQT018 thru EQT020 Fire Pump Engines	NSPS, Subpart IIII – Standards of Performance for Stationary Compression Ignition Internal Combustion Engines 40 CFR 60.4200	Does not apply	40 CFR 60.4200(a)(2)(ii) 40 CFR 60.4200(a)(3)	Engines were manufactured prior to April 1, 2006 and were not modified or reconstructed after July 11, 2005
FUG001 10-78, Fugitive Emissions . (Clovelly Dome)	Control of Emissions of Organic Compounds - Fugitive Emissions Control LAC 33:III.Chapter 21	Does not apply	LAC 33:III.2121.A	Not a listed facility
The above table provides explanation for both the exemption status or non-applicability of a source cited by 2 or 3 in the matrix presented in Section X of this permit				

General Information

AI ID: 4634 LOOP LLC - Port Complex
Activity Number: PER20100001
Permit Number: 1560-00027-V0
Air - Title V Regular Permit Initial

Also Known As:

ID	Name	User Group	Start Date
1560-00027	LOOP LLC - Port Complex	CDS Number	10-12-1996
72-0723344	LOOP LLC - Port Complex	Federal Tax ID	11-21-1999
LAD980698799	LOOP LLC - Port Complex	Hazardous Waste Notification	02-22-1983
LA0049492	LPDES #	LPDES Permit #	06-25-2003
WP0330	LWDPS #	LWDPS Permit #	06-25-2003
	Priority 2 Emergency Site	Priority 2 Emergency Site	07-20-2006
	Radiation General License	Radiation License Number	01-09-2002
29-006030	UST Facility ID #	UST FID #	10-11-2002
2164	LOOP LLC - Port Complex	Water Permitting	11-21-1999

Physical Location: 4 Mi NE of
Galliano, LA

Mailing Address: PO Box 7250
Metairie, LA 700107250

Location of Front Gate: 29.4625 latitude, -90.305556 longitude, Coordinate Method: Lat.\Long. - DMS, Coordinate Datum: NAD83

Related People:

Name	Mailing Address	Phone (Type)	Relationship
CaSandra Cooper-Gates	111 Veterans Blvd Ste 600 Metairie, LA 70005	5043639282 (WP)	Water Billing Party for
CaSandra Cooper-Gates	111 Veterans Blvd Ste 600 Metairie, LA 70005	5043639282 (WP)	Responsible Official for

Related Organizations:

Name	Address	Phone (Type)	Relationship
LOOP LLC	137 Northpark Blvd Covington, LA 70433	5043685667 (WP)	Air Billing Party for
LOOP LLC	137 Northpark Blvd Covington, LA 70433	5043685667 (WP)	UST Billing Party for
LOOP LLC	137 Northpark Blvd Covington, LA 70433	5043685667 (WP)	Owns
LOOP LLC	137 Northpark Blvd Covington, LA 70433	5043685667 (WP)	Operates

Note: This report entitled "General Information" contains a summary of facility-level information contained in LDEQ's TEMPO database for this facility and is not considered a part of the permit. Please review the information contained in this document for accuracy and completeness. If any changes are required or if you have questions regarding this document, you may contact Ms. Tommie Milam, Permit Support Services Division, at (225) 219-3259 or email your changes to facupdate@la.gov.

INVENTORIES

AI ID: 4634 - LOOP LLC - Port Complex
Activity Number: PER20100001
Permit Number: 1560-00027-V0
Air - Title V Regular Permit Initial

Subject Item Inventory:

ID	Description	Tank Volume	Max. Operating Rate	Normal Operating Rate	Contents	Operating Time
LOOP - Port Complex						
EQT 0003	1-78 - Crude Relief Tank (Clovelly Dome)	2.31 million gallons		23.1 MM gallons/yr	External Floating Roof (EFR)	8760 hr/yr
EQT 0004	5-78 - Slop Oil Tank (Small Boat Harbor)	79315 gallons		84000 gallons/yr	wastwater and lube oils	8760 hr/yr
EQT 0006	11-78 - Fourchon Booster Station No. 2 Fuel Tank No. 1	1.18 million gallons		23 MM gallons/yr		8760 hr/yr
EQT 0007	12-78 - Salt Dome Cavities (9), Piping, and Brine Storage Reservoir (Clovelly Dome)	1806 million gallons		600 MM bbl/yr		8760 hr/yr
EQT 0008	13-78 - Fourchon Booster Station No. 2 Fuel Tank No. 2 (Clovelly Dome)	1.18 million gallons		23 MM gallons/yr		8760 hr/yr
EQT 0009	15-78 - Fourchon Booster Station - Standby Generator		805 horsepower	805 horsepower		500 hr/yr
EQT 0011	17-78 - Operations Center Standby Generator (Clovelly Dome)		671 horsepower	671 horsepower		500 hr/yr
EQT 0012	18-78 - Emergency Crude Transfer Pump (Clovelly Dome)		860 horsepower	860 horsepower		500 hr/yr
EQT 0013	19-78 - Portable Diesel Generator (Clovelly Dome)		10 horsepower	10 horsepower		500 hr/yr
EQT 0014	20-78 - Clovelly Fire Pump			1.92 MM BTU/hr		500 hr/yr
EQT 0015	21-78 - Standby Generator - Brine Storage Reservoir (Clovelly Dome)		108 horsepower	108 horsepower		500 hr/yr
EQT 0016	23-88 - Tank 1 Operations Center (Clovelly Dome)	1000 gallons		9000 gallons/yr		8760 hr/yr
EQT 0017	24-88 - Tank 2 Operations Center (Clovelly Dome)	1000 gallons		9000 gallons/yr		8760 hr/yr
EQT 0018	35-88 - Fire School Pump (Clovelly Dome)		400 horsepower	400 horsepower		500 hr/yr
EQT 0019	38-91 - Operations Center - Fire Pump (Clovelly Dome)		500 horsepower	500 horsepower		500 hr/yr
EQT 0020	5-99 - Crude Oil Tankfarm Firewater Pump (Clovelly Dome)		1100 horsepower	1100 horsepower		500 hr/yr
EQT 0021	1-07 - 470 bhp Emergency Generator (Small Boat Harbor)		470 brake hp	470 brake hp		500 hr/yr
EQT 0022	2-07 - 470 bhp Emergency Generator (Tank Facility)		470 brake hp	470 brake hp		500 hr/yr
EQT 0023	3-07 - 671 bhp Emergency Generator (Clovelly Dome)		671 brake hp	671 brake hp		500 hr/yr
EQT 0024	4-07 - 671 bhp Emergency Generator (Clovelly Control Room)		671 brake hp	671 brake hp		500 hr/yr
EQT 0025	5-07 - 268 bhp Emergency Generator (OC Warehouse)		268 brake hp	268 brake hp		500 hr/yr
EQT 0026	6-07 - 168 bhp Emergency Generator (LOCAP)		168 brake hp	168 brake hp		500 hr/yr
EQT 0027	1-99 - Tank 6401 (Clovelly Dome)	600000 bbl		25000 bbl/day	EFR	8760 hr/yr
EQT 0028	2-99 - Tank 6402 (Clovelly Dome)	600000 bbl		25000 bbl/day	EFR	8760 hr/yr
EQT 0029	3-99 - Tank 6405 (Clovelly Dome)	600000 bbl		25000 bbl/day	EFR	8760 hr/yr
EQT 0030	4-99 - Tank 6406 (Clovelly Dome)	600000 bbl		25000 bbl/day	EFR	8760 hr/yr
EQT 0031	6-02 - Tank 6409 (Clovelly Dome)	600000 bbl		25000 bbl/day	EFR	8760 hr/yr
EQT 0032	7-02 - Tank 6410 (Clovelly Dome)	600000 bbl		25000 bbl/day	EFR	8760 hr/yr
EQT 0033	8-07 - Tank 6403 (Clovelly Dome)	600000 bbl		25000 bbl/day	EFR	8760 hr/yr
EQT 0034	9-07 - Tank 6404 (Clovelly Dome)	600000 bbl		25000 bbl/day	EFR	8760 hr/yr
EQT 0035	10-07 - Tank 6407 (Clovelly Dome)	600000 bbl		25000 bbl/day	EFR	8760 hr/yr
EQT 0036	11-07 - Tank 6408 (Clovelly Dome)	600000 bbl		25000 bbl/day	EFR	8760 hr/yr
EQT 0037	12-07 - Tank 6411 (Clovelly Dome)	600000 bbl		25000 bbl/day	EFR	8760 hr/yr

INVENTORIES

AI ID: 4634 - LOOP LLC - Port Complex
Activity Number: PER20100001
Permit Number: 1560-00027-V0
Air - Title V Regular Permit Initial

Subject Item Inventory:

ID	Description	Tank Volume	Max. Operating Rate	Normal Operating Rate	Contents	Operating Time
LOOP - Port Complex						
EQT 0038	13-07 - Tank 6412 (Clovelly Dome)	600000 bbl		25000 bbl/day	EFR	8760 hr/yr
EQT 0039	14-07 - Tank 6413 (Clovelly Dome)	600000 bbl		25000 bbl/day	EFR	8760 hr/yr
EQT 0040	15-07 - Tank 6414 (Clovelly Dome)	600000 bbl		25000 bbl/day	EFR	8760 hr/yr
EQT 0041	16-10 - Tank 6415 (Clovelly Dome)	600000 bbl		25000 bbl/day	EFR	8760 hr/yr
EQT 0042	17-10 - Tank 6416 (Clovelly Dome)	600000 bbl		25000 bbl/day	EFR	8760 hr/yr
EQT 0043	18-10 - Tank 6417 (Clovelly Dome)	600000 bbl		25000 bbl/day	EFR	8760 hr/yr
EQT 0044	19-10 - Tank 6418 (Clovelly Dome)	600000 bbl		25000 bbl/day	EFR	8760 hr/yr
EQT 0045	20-10 - Tank 6419 (Clovelly Dome)	600000 bbl		25000 bbl/day	EFR	8760 hr/yr
EQT 0046	21-10 - Tank 6420 (Clovelly Dome)	600000 bbl		25000 bbl/day	EFR	8760 hr/yr
EQT 0047	1-10 - 520 hp Emergency Generator		520 brake hp	520 brake hp		500 hr/yr
FUG 0001	10-78 - Fugitive Emissions (Clovelly Dome)			Not applicable		8760 hr/yr

Stack Information:

ID	Description	Velocity (ft/sec)	Flow Rate (cubic ft/min-actual)	Diameter (feet)	Discharge Area (square feet)	Height (feet)	Temperature (oF)
LOOP - Port Complex							
EQT 0009	15-78 - Fourchon Booster Station - Standby Generator	237	5014	.57		16	850
EQT 0011	17-78 - Operations Center Standby Generator (Clovelly Dome)	161	6759	.67		18	865
EQT 0012	18-78 - Emergency Crude Transfer Pump (Clovelly Dome)	225	5300	.6		16	880
EQT 0013	19-78 - Portable Diesel Generator (Clovelly Dome)		212	.33		10	1100
EQT 0014	20-78 - Clovelly Fire Pump	238	1943	.42		12	185
EQT 0015	21-78 - Standby Generator - Brine Storage Reservoir (Clovelly Dome)	212	1087.93	.33		10	1100
EQT 0018	35-88 - Fire School Pump (Clovelly Dome)	386.2	790	.21		6	820
EQT 0019	38-91 - Operations Center - Fire Pump (Clovelly Dome)	386.2	790	.21		6	820
EQT 0020	5-99 - Crude Oil Tankfarm Firewater Pump (Clovelly Dome)	1.35	104	1.28		6	870
EQT 0021	1-07 - 470 bhp Emergency Generator (Small Boat Harbor)	307.7	3625	.5		9.38	901
EQT 0022	2-07 - 470 bhp Emergency Generator (Tank Facility)	307.7	3625	.5		9.38	901
EQT 0023	3-07 - 671 bhp Emergency Generator (Clovelly Dome)	220.69	2600	.5		9.83	810
EQT 0024	4-07 - 671 bhp Emergency Generator (Clovelly Control Room)	220.69	2600	.5		9.83	810
EQT 0025	5-07 - 268 bhp Emergency Generator (OC Warehouse)	135.94	1130	.42		10.25	1056
EQT 0026	6-07 - 168 bhp Emergency Generator (LOCAP)	304.9	898	.25		10.58	950
EQT 0047	1-10 - 520 hp Emergency Generator	220.69	2600	.5		9.83	810

Relationships:

INVENTORIES

AI ID: 4634 - LOOP LLC - Port Complex
Activity Number: PER20100001
Permit Number: 1560-00027-V0
Air - Title V Regular Permit Initial

Subject Item Groups:

ID	Group Type	Group Description
CRG 0001	Common Requirements Group	GP - Generators and Pumps
CRG 0002	Common Requirements Group	STKS - Storage Tanks
GRP 0003	Equipment Group	TANK CAP - Crude Oil Storage Tank CAP (Clovelly Dome)
UNF 0001	Unit or Facility Wide	LPC - LOOP - Port Complex

Group Membership:

ID	Description	Member of Groups
EQT 0009	15-78 - Fourchon Booster Station - Standby Generator	CRG0000000001
EQT 0011	17-78 - Operations Center Standby Generator (Clovelly Dome)	CRG0000000001
EQT 0012	18-78 - Emergency Crude Transfer Pump (Clovelly Dome)	CRG0000000001
EQT 0013	19-78 - Portable Diesel Generator (Clovelly Dome)	CRG0000000001
EQT 0014	20-78 - Clovelly Fire Pump	CRG0000000001
EQT 0015	21-78 - Standby Generator - Brine Storage Reservoir (Clovelly Dome)	CRG0000000001
EQT 0018	35-88 - Fire School Pump (Clovelly Dome)	CRG0000000001
EQT 0019	38-91 - Operations Center - Fire Pump (Clovelly Dome)	CRG0000000001
EQT 0020	5-99 - Crude Oil Tankfarm Firewater Pump (Clovelly Dome)	CRG0000000001
EQT 0021	1-07 - 470 bhp Emergency Generator (Small Boat Harbor)	CRG0000000001
EQT 0022	2-07 - 470 bhp Emergency Generator (Tank Facility)	CRG0000000001
EQT 0023	3-07 - 671 bhp Emergency Generator (Clovelly Dome)	CRG0000000001
EQT 0024	4-07 - 671 bhp Emergency Generator (Clovelly Control Room)	CRG0000000001
EQT 0025	5-07 - 268 bhp Emergency Generator (OC Warehouse)	CRG0000000001
EQT 0026	6-07 - 168 bhp Emergency Generator (LOCAP)	CRG0000000001
EQT 0027	1-99 - Tank 6401 (Clovelly Dome)	CRG0000000002, GRP0000000003
EQT 0028	2-99 - Tank 6402 (Clovelly Dome)	CRG0000000002, GRP0000000003
EQT 0029	3-99 - Tank 6405 (Clovelly Dome)	CRG0000000002, GRP0000000003
EQT 0030	4-99 - Tank 6406 (Clovelly Dome)	CRG0000000002, GRP0000000003
EQT 0031	6-02 - Tank 6409 (Clovelly Dome)	CRG0000000002, GRP0000000003
EQT 0032	7-02 - Tank 6410 (Clovelly Dome)	CRG0000000002, GRP0000000003
EQT 0033	8-07 - Tank 6403 (Clovelly Dome)	CRG0000000002, GRP0000000003
EQT 0034	9-07 - Tank 6404 (Clovelly Dome)	CRG0000000002, GRP0000000003
EQT 0035	10-07 - Tank 6407 (Clovelly Dome)	CRG0000000002, GRP0000000003
EQT 0036	11-07 - Tank 6408 (Clovelly Dome)	CRG0000000002, GRP0000000003
EQT 0037	12-07 - Tank 6411 (Clovelly Dome)	CRG0000000002, GRP0000000003
EQT 0038	13-07 - Tank 6412 (Clovelly Dome)	CRG0000000002, GRP0000000003
EQT 0039	14-07 - Tank 6413 (Clovelly Dome)	CRG0000000002, GRP0000000003
EQT 0040	15-07 - Tank 6414 (Clovelly Dome)	CRG0000000002, GRP0000000003
EQT 0041	16-10 - Tank 6415 (Clovelly Dome)	CRG0000000002, GRP0000000003
EQT 0042	17-10 - Tank 6416 (Clovelly Dome)	CRG0000000002, GRP0000000003
EQT 0043	18-10 - Tank 6417 (Clovelly Dome)	CRG0000000002, GRP0000000003
EQT 0044	19-10 - Tank 6418 (Clovelly Dome)	CRG0000000002, GRP0000000003

INVENTORIES

AI ID: 4634 - LOOP LLC - Port Complex
Activity Number: PER20100001
Permit Number: 1560-00027-V0
Air - Title V Regular Permit Initial

Group Membership:

ID	Description	Member of Groups
EQT 0045	20-10 - Tank 6419 (Clovelly Dome)	CRG0000000002, GRP0000000003
EQT 0046	21-10 - Tank 6420 (Clovelly Dome)	CRG0000000002, GRP0000000003

NOTE: The UNF group relationship is not printed in this table. Every subject item is a member of the UNF group

Annual Maintenance Fee:

Fee Number	Air Contaminant Source	Multiplier	Units Of Measure
1364	1364 Crude Oil Pipeline - Facility with Over 500,000 BBLS Storage Capacity		

SIC Codes:

4612	Crude petroleum pipelines	UNF 001

EMISSION RATES FOR CRITERIA POLLUTANTS

AI ID: 4634 - LOOP LLC - Port Complex
Activity Number: PER20100001
Permit Number: 1560-00027-V0
Air - Title V Regular Permit Initial

	CO			NOx			PM10			SO2			VOC		
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
LOOP - Port Complex															
EQT 0003 1-78													0.38	0.38	1.65
EQT 0004 5-78													<0.01	<0.01	0.01
EQT 0006 11-78													0.10	0.10	0.46
EQT 0007 12-78													0.40	0.40	1.74
EQT 0008 13-78													0.10	0.10	0.46
EQT 0009 15-78	4.43	4.43	1.11	19.32	19.32	4.83	0.56	0.56	0.14	0.33	0.33	0.08	0.57	0.57	0.14
EQT 0011 17-78	3.69	3.69	0.92	16.10	16.10	4.03	0.47	0.47	0.12	0.27	0.27	0.07	0.47	0.47	0.12
EQT 0012 18-78	4.73	4.73	1.18	20.64	20.64	5.16	0.60	0.60	0.15	0.35	0.35	0.09	0.61	0.61	0.15
EQT 0013 19-78	0.07	0.07	0.02	0.31	0.31	0.08	0.02	0.02	0.01	0.02	0.02	0.01	0.02	0.02	0.01
EQT 0014 20-78	1.82	1.82	0.46	8.46	8.46	2.11	0.59	0.59	0.15	0.56	0.56	0.14	0.67	0.67	0.17
EQT 0015 21-78	0.72	0.72	0.18	3.35	3.35	0.84	0.24	0.24	0.06	0.22	0.22	0.06	0.27	0.27	0.07
EQT 0016 23-88													0.06	0.06	0.27
EQT 0017 24-88													0.06	0.06	0.27
EQT 0018 35-88	2.67	2.67	0.67	12.40	12.40	3.10	0.88	0.88	0.22	0.82	0.82	0.21	0.99	0.99	0.25
EQT 0019 38-91	3.34	3.34	0.84	15.50	15.50	3.88	1.10	1.10	0.28	1.03	1.03	0.26	1.24	1.24	0.31
EQT 0020 5-99	1.34	1.34	0.34	28.92	28.92	7.23	0.18	0.18	0.05	0.44	0.44	0.11	0.45	0.45	0.11
EQT 0021 1-07	3.14	3.14	0.78	14.57	14.57	3.64	1.03	1.03	0.26	0.96	0.96	0.24	1.16	1.16	0.29
EQT 0022 2-07	3.14	3.14	0.78	14.57	14.57	3.64	1.03	1.03	0.26	0.96	0.96	0.24	1.16	1.16	0.29
EQT 0023 3-07	3.69	3.69	0.92	16.10	16.10	4.03	0.47	0.47	0.12	0.27	0.27	0.07	0.47	0.47	0.12
EQT 0024 4-07	3.69	3.69	0.92	16.10	16.10	4.03	0.47	0.47	0.12	0.27	0.27	0.07	0.47	0.47	0.12
EQT 0025 5-07	1.79	1.79	0.45	8.31	8.31	2.08	0.59	0.59	0.15	0.55	0.55	0.14	0.66	0.66	0.17
EQT 0026 6-07	1.12	1.12	0.28	5.21	5.21	1.30	0.37	0.37	0.09	0.34	0.34	0.09	0.41	0.41	0.10
EQT 0047 1-10	0.62	0.62	0.16	4.98	4.98	1.25	0.64	0.64	0.16	<0.01	<0.01	<0.01	0.07	0.07	0.02

EMISSION RATES FOR CRITERIA POLLUTANTS

AI ID: 4634 - LOOP LLC - Port Complex

Activity Number: PER20100001

Permit Number: 1560-00027-V0

Air - Title V Regular Permit Initial

	CO			NOx			PM10			SO2			VOC		
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
LOOP - Port Complex															
FUG 0001 10-78													<0.01	<0.01	<0.01
GRP 0003 TANK CAP													40.02		175.28

Note: Emission rates in bold are from alternate scenarios and are not included in permitted totals unless otherwise noted in a footnote.

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 4634 - LOOP LLC - Port Complex
Activity Number: PER20100001
Permit Number: 1560-00027-V0
Air - Title V Regular Permit Initial

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
EQT 0019 38-91	Benzene	0.003	0.003	<0.01
	Formaldehyde	0.004	0.004	<0.01
EQT 0020 5-99	Benzene	0.01	0.01	<0.01
	Toluene	0.002	0.002	<0.01
EQT 0021 1-07	Acetaldehyde	0.003	0.003	<0.01
	Benzene	0.003	0.003	<0.01
	Formaldehyde	0.004	0.004	<0.01
EQT 0022 2-07	Acetaldehyde	0.003	0.003	<0.01
	Benzene	0.003	0.003	<0.01
	Formaldehyde	0.004	0.004	<0.01
EQT 0023 3-07	Benzene	0.004	0.004	<0.01
EQT 0024 4-07	Benzene	0.004	0.004	<0.01
EQT 0025 5-07	Formaldehyde	0.002	0.002	<0.01
EQT 0047 1-10	Acetaldehyde	0.003	0.003	<0.01
	Benzene	0.003	0.003	<0.01
	Formaldehyde	0.004	0.004	<0.01
GRP 0003 TANK CAP	Benzene	0.23		1.03
	Cumene	<0.01		0.02
	Ethyl benzene	0.03		0.11
	Toluene	0.13		0.58
	Xylene (mixed isomers)	0.08		0.35
	n-Hexane	0.25		1.07
UNF 0001 LPC	Acetaldehyde			0.04
	Benzene			1.20
	Cumene			0.03
	Ethyl benzene			0.15
	Formaldehyde			0.06
	Toluene			0.66
	Xylene (mixed isomers)			0.44
	n-Hexane			1.12

Note: Emission rates in bold are from alternate scenarios and are not included in permitted totals unless otherwise noted in a footnote. Emission rates attributed to the UNF reflect the sum of the TAP/HAP limits of the individual emission points (or caps) under this permit, but do not constitute an emission cap.

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 4634 - LOOP LLC - Port Complex
Activity Number: PER20100001
Permit Number: 1560-00027-V0
Air - Title V Regular Permit Initial

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
EQT 0003 1-78	Benzene	0.004	0.004	0.02
	Ethyl benzene	<0.01	<0.01	0.01
	Toluene	0.002	0.002	0.01
	Xylene (mixed isomers)	<0.01	<0.01	0.01
	n-Hexane	0.004	0.004	0.02
EQT 0006 11-78	Benzene	<0.01	<0.01	<0.01
	Ethyl benzene	<0.01	<0.01	<0.01
	Toluene	0.002	0.002	0.01
	Xylene (mixed isomers)	0.01	0.01	0.03
EQT 0007 12-78	Benzene	0.002	0.002	0.01
	Cumene	<0.01	<0.01	<0.01
	Ethyl benzene	0.002	0.002	0.01
	Toluene	0.004	0.004	0.02
	Xylene (mixed isomers)	0.01	0.01	0.02
	n-Hexane	0.002	0.002	0.01
EQT 0008 13-78	Benzene	<0.01	<0.01	<0.01
	Ethyl benzene	<0.01	<0.01	<0.01
	Toluene	<0.01	<0.01	0.01
	Xylene (mixed isomers)	0.01	0.01	0.03
EQT 0009 15-78	Benzene	0.004	0.004	<0.01
EQT 0011 17-78	Benzene	0.004	0.004	<0.01
EQT 0012 18-78	Benzene	0.005	0.005	<0.01
EQT 0014 20-78	Formaldehyde	0.002	0.002	<0.01
EQT 0016 23-88	Benzene	<0.01	<0.01	<0.01
	Toluene	<0.01	<0.01	<0.01
	n-Hexane	<0.01	<0.01	0.01
EQT 0017 24-88	Benzene	<0.01	<0.01	<0.01
	Toluene	<0.01	<0.01	<0.01
	n-Hexane	<0.01	<0.01	<0.01
EQT 0018 35-88	Acetaldehyde	0.002	0.002	<0.01
	Benzene	0.003	0.003	<0.01
	Formaldehyde	0.003	0.003	<0.01
EQT 0019 38-91	Acetaldehyde	0.003	0.003	<0.01

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 4634 - LOOP LLC - Port Complex
Activity Number: PER20100001
Permit Number: 1560-00027-V0
Air - Title V Regular Permit Initial

SPECIFIC REQUIREMENTS

AI ID: 4634 - LOOP LLC - Port Complex
Activity Number: PER20100001
Permit Number: 1560-00027-V0
Air - Title V Regular Permit Initial

EQT 0003 1-78 - Crude Relief Tank (Clovelly Dome)

1	[40 CFR 60.112a(a)(1)(i)(A)]	Seal gap width <= 1.5 in (3.81 cm) for the width of any portion of any gap between the tank wall and the mechanical shoe seal or liquid-mounted primary seal. Subpart Ka. [40 CFR 60.112a(a)(1)(i)(A)] Which Months: All Year Statistical Basis: None specified
2	[40 CFR 60.112a(a)(1)(i)(A)]	Seal gap area <= 10.0 in^2/ft (212 sq cm/meter) of tank diameter for the accumulated area of gaps between the tank wall and the mechanical shoe seal or liquid-mounted primary seal. Subpart Ka. [40 CFR 60.112a(a)(1)(i)(A)] Which Months: All Year Statistical Basis: None specified
3	[40 CFR 60.112a(a)(1)(i)(C)]	One end of the primary seal metallic shoe is to extend into the stored liquid, and the other end is to extend a minimum vertical distance of 24 inches (61 centimeters) above the stored liquid surface. Subpart Ka. [40 CFR 60.112a(a)(1)(i)(C)]
4	[40 CFR 60.112a(a)(1)(i)(D)]	There are to be no holes, tears, or other openings in the shoe, primary seal fabric, or seal envelope. Subpart Ka. [40 CFR 60.112a(a)(1)(i)(D)]
5	[40 CFR 60.112a(a)(1)(i)]	The primary seal is to be either a metallic shoe seal, a liquid-mounted seal, or a vapor-mounted seal. Subpart Ka. [40 CFR 60.112a(a)(1)(i)]
6	[40 CFR 60.112a(a)(1)(ii)(A)]	Install the secondary seal above the primary seal so that it completely covers the space between the roof edge and the tank wall except as provided in 40 CFR 60.112a(a)(1)(ii)(B). Subpart Ka. [40 CFR 60.112a(a)(1)(ii)(A)]
7	[40 CFR 60.112a(a)(1)(ii)(B)]	Seal gap width <= 0.5 in (1.27 cm) for the width of any portion of any gap between the tank wall and the secondary seal used in combination with a metallic shoe or liquid-mounted primary seal. Subpart Ka. [40 CFR 60.112a(a)(1)(ii)(B)] Which Months: All Year Statistical Basis: None specified
8	[40 CFR 60.112a(a)(1)(ii)(B)]	Seal gap area <= 1.0 in^2/ft (21.2 sq cm/meter) of tank diameter for the accumulated area of gaps between the tank wall and the secondary seal used in combination with a metallic shoe or liquid-mounted primary seal. Subpart Ka. [40 CFR 60.112a(a)(1)(ii)(B)] Which Months: All Year Statistical Basis: None specified
9	[40 CFR 60.112a(a)(1)(ii)(C)]	There are to be no holes, tears or other openings in the secondary seal or seal fabric. Subpart Ka. [40 CFR 60.112a(a)(1)(ii)(C)]
10	[40 CFR 60.112a(a)(1)(iii)]	Each opening in the roof except for automatic bleeder vents and rim space vents is to provide a projection below the liquid surface. Equip each opening in the roof except for automatic bleeder vents, rim space vents and leg sleeves with a cover, seal or lid and maintain in a closed position at all times (i.e., no visible gap) except when the device is in actual use or as described in 40 CFR 60.112a(a)(1)(iv). Close automatic bleeder vents at all times when the roof is floating, except when the roof is being floated off or is being landed on the roof leg supports. Set rim vents to open when the roof is being floated off the roof leg supports or at the manufacturer's recommended setting. Subpart Ka. [40 CFR 60.112a(a)(1)(iii)]
11	[40 CFR 60.112a(a)(1)(iv)]	Provide each emergency roof drain with a slotted membrane fabric cover that covers at least 90 percent of the area of the opening. Subpart Ka. [40 CFR 60.112a(a)(1)(iv)]
12	[40 CFR 60.112a(a)(1)]	Equip with an external floating roof consisting of a pontoon-type or double-deck-type cover that rests on the surface of the liquid contents and is equipped with a closure device between the tank wall and the roof edge. Except as provided in 40 CFR 60.112a(a)(1)(ii)(D), the closure device is to consist of two seals, one (secondary) above the other (primary). The roof is to be floating on the liquid at all times (i.e., off the roof leg supports) except during initial fill and when the tank is completely emptied and subsequently refilled. The process of emptying and refilling when the roof is resting on the leg supports shall be continuous and shall be accomplished as rapidly as possible. Subpart Ka. [40 CFR 60.112a(a)(1)]

EQT 0003 1-78 - Crude Relief Tank (Clovelly Dome)

13	[40 CFR 60.113a(a)(1)(i)(A)]	Seal gap area & width monitored by measurement at the regulation's specified frequency. Determine the gap areas and maximum gap widths between the primary seal and the tank wall within 60 days of the initial fill with petroleum liquid and at least once every 5 years thereafter using the procedures in 40 CFR 60.113a(a)(1)(ii). Accomplish all primary seal inspections or gap measurements which require the removal or dislodging of the secondary seal as rapidly as possible and replace the secondary seal as soon as possible. Subpart Ka. [40 CFR 60.113a(a)(1)(i)(A)] Which Months: All Year Statistical Basis: None specified
14	[40 CFR 60.113a(a)(1)(i)(B)]	Seal gap area & width monitored by measurement at the regulation's specified frequency. Determine the gap areas and maximum gap widths between the secondary seal and the tank wall within 60 days of the initial fill with petroleum liquid and at least once every year thereafter using the procedures in 40 CFR 60.113a(a)(1)(ii). Subpart Ka. [40 CFR 60.113a(a)(1)(i)(B)] Which Months: All Year Statistical Basis: None specified
15	[40 CFR 60.113a(a)(1)(i)(D)]	Gap measurement(s) recordkeeping by electronic or hard copy upon each occurrence of gap measurement performance. Each record shall identify the vessel on which the measurement was performed and shall contain the date of the seal gap measurement, the raw data obtained in the measurement process required by 40 CFR 60.113a(a)(1)(ii) and the calculation required by 40 CFR 60.113a(a)(1)(iii). Keep records of each gap measurement at the plant for a period of at least 2 years following the date of measurement. Subpart Ka. [40 CFR 60.113a(a)(1)(i)(D)]
16	[40 CFR 60.113a(a)(1)(i)(E)]	Submit report: Due to DEQ within 60 days of the date of seal gap measurements, if either the seal gap calculated in accord with 40 CFR 60.113a(a)(1)(iii) or the measured maximum seal gap exceeds the limitations specified by 40 CFR 60.112a. The report shall identify the vessel and list each reason why the vessel did not meet the specifications of 40 CFR 60.112a. The report shall also describe the actions necessary to bring the storage vessel into compliance with the specifications of 40 CFR 60.112a. Subpart Ka. [40 CFR 60.113a(a)(1)(i)(E)]
17	[40 CFR 60.113a(a)(1)(iv)]	Submit notification: Due to DEQ at least 30 days prior to the gap measurement to afford DEQ to have an observer present. Subpart Ka. [40 CFR 60.113a(a)(1)(iv)]
18	[40 CFR 60.115a]	Petroleum liquid storage data recordkeeping by electronic or hard copy continuously. Maintain a record of the petroleum liquid stored, the period of storage, and the maximum true vapor pressure of that liquid during the respective storage period, except as provided in 40 CFR 60.115a(d). Subpart Kat all timesa.
19	[LAC 33:III.2103.B]	Equip with a submerged fill pipe.
20	[LAC 33:III.2103.D.2.a]	Seal closure devices required in LAC 33:III.2103.D shall have no visible holes, tears, or other openings in the seals or seal fabric.
21	[LAC 33:III.2103.D.2.b]	Seal closure devices required in LAC 33:III.2103.D shall be intact and uniformly in place around the circumference of the floating roof and the tank wall.
22	[LAC 33:III.2103.D.2.c]	Seal gap area <= 1 in^2/ft of tank diameter (6.5 cm2/0.3 m), for gaps between the secondary seal and tank wall that exceed 1/8 inch (0.32 cm) in width. Which Months: All Year Statistical Basis: None specified
23	[LAC 33:III.2103.D.2.d]	Seal gap area <= 10 in^2/ft of tank diameter (65 cm2/0.3 m), for gaps between the primary seal and tank wall that exceed 1/8 inch (0.32 cm) in width. Which Months: All Year Statistical Basis: None specified
24	[LAC 33:III.2103.D.2.e]	Secondary Seal or closure mechanism monitored by visual inspection/determination semiannually. Which Months: All Year Statistical Basis: None specified
25	[LAC 33:III.2103.D.2.e]	Initiate repairs of seals within seven working days of recognition of defective conditions by ordering appropriate parts, to avoid noncompliance with LAC 33:III.2103. Complete repairs within three months of the ordering of the repair parts.

EQT 0003 1-78 - Crude Relief Tank (Clovelly Dome)

26	[LAC 33:III.2103.D.2.e]	Primary seals: Seal gap area & width monitored by measurement once every five years at any tank level, provided the roof is off its legs. Which Months: All Year Statistical Basis: None specified
27	[LAC 33:III.2103.D.2.e]	Equipment/operational data recordkeeping by electronic or hard copy upon occurrence of event. Keep records of conditions that are not up to the standards described in LAC 33:III.2103.D.2, and the date(s) that the standards are not met. Notify the administrative authority within seven days of noncompliance with LAC 33:III.2103.D.2.
28	[LAC 33:III.2103.D.2.e]	Secondary seals: Seal gap area & width monitored by measurement annually at any tank level, provided the roof is off its legs. Which Months: All Year Statistical Basis: None specified
29	[LAC 33:III.2103.D.3]	Provide all openings in the external floating roof (except for automatic bleeder vents, rim space vent, and leg sleeves) with a projection below the liquid surface. Equip each opening in the roof (except for automatic bleeder vents, rim space vents, roof drains, and leg sleeves) with a cover, seal or lid that is to be maintained in a closed position at all times except when the device is in actual use. Keep automatic bleeder vents closed at all times except when the roof is being floated off the roof leg supports. Set rim vents to open when the roof is being floated off the roof leg supports or at the manufacturer's recommended setting. Equip any emergency roof drain with a slotted membrane fabric cover or equivalent cover that covers at least 90 percent of the opening.
30	[LAC 33:III.2103.D]	Equip with an external floating roof consisting of a pontoon type roof, double deck type roof, or external floating cover which will rest or float on the surface of the liquid contents and is equipped with a primary closure seal to close the space between the roof edge and tank wall and a continuous secondary seal (a rim mounted secondary) extending from the floating roof to the tank wall.
31	[LAC 33:III.2103.H.1]	Determine compliance with LAC 33:III.2103.D.2 and 4 using the methods in LAC 33:III.2103.H.1.
32	[LAC 33:III.2103.H.3]	Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e.
33	[LAC 33:III.2103.I]	Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable.

EQT 0016 23-88 - Tank 1 Operations Center (Clovelly Dome)

34	[40 CFR 63.11116(a)]	Permittee shall not handle dispensing of gasoline in a manner that would result in vapor releases to the atmosphere for extended period of time. The following measures, not all inclusive, shall be undertaken: a) minimize gasoline spills; b) clean up spills as expeditiously as practicable; c) cover all open gasoline containers and all gasoline storage tank ill-pipes with a gasketed seal when not in use; d) minimize gasoline sent to open waste collection system that collect and transport gasoline to reclamation and recycling devices, such as oil/water separators; and e) keep records available within 24 hours of a request by the Administrator to document gasoline throughput. [40 CFR 63.11116(a), 40 CFR 63.11116(b)]
35	[LAC 33:III.2103.A]	Equip with a submerged fill pipe.
36	[LAC 33:III.2103.H.3]	Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e.
37	[LAC 33:III.2103.I]	Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable.

EQT 0017 24-88 - Tank 2 Operations Center (Clovelly Dome)

EQT 0017 24-88 - Tank 2 Operations Center (Clovelly Dome)

38	[40 CFR 63.11116(a)]	Permittee shall not handle dispensing of gasoline in a manner that would result in vapor releases to the atmosphere for extended period of time. The following measures, not all inclusive, shall be undertaken: a) minimize gasoline spills; b) clean up spills as expeditiously as practicable; c) cover all open gasoline containers and all gasoline storage tank ill-pipes with a gasketed seal when not in use; d) minimize gasoline sent to open waste collection system that collect and transport gasoline to reclamation and recycling devices, such as oil/water separators; and e) keep records available within 24 hours of a request by the Administrator to document gasoline throughput. [40 CFR 63.11116(a), 40 CFR 63.11116(b)]
39	[LAC 33:III.2103.A]	Equip with a submerged fill pipe.
40	[LAC 33:III.2103.H.3]	Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e.
41	[LAC 33:III.2103.I]	Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable.

EQT 0047 1-10 - 520 hp Emergency Generator

42	[40 CFR 60.4205(b)]	Comply with the emission standards for new nonroad CI engines in 40 CFR 60.4202, for all pollutants, for the same model year and maximum engine power. Subpart IIII. [40 CFR 60.4205(b)]
43	[40 CFR 60.4206]	Operate and maintain stationary CI ICE according to the manufacturer's written instructions or procedures developed by the owner or operator that are approved by the engine manufacturer, over the entire life of the engine. Subpart IIII.
44	[40 CFR 60.4207(b)]	Beginning October 1, 2010, use diesel fuel that meets the requirements of 40 CFR 80.510(b) for nonroad diesel fuel. Subpart IIII. [40 CFR 60.4207(b)]
45	[40 CFR 60.4208(a)]	After December 31, 2008, do not install stationary CI ICE (excluding fire pump engines) that do not meet the applicable requirements for 2007 model year engines. Subpart IIII. [40 CFR 60.4208(a)]. [40 CFR 60.4208(a)]
46	[40 CFR 60.4209(a)]	Operating time monitored by hour/time monitor continuously during operation. Install a non-resettable hour meter prior to startup of the engine. Subpart IIII. [40 CFR 60.4209(a)] Which Months: All Year Statistical Basis: None specified
47	[40 CFR 60.4211(a)]	Operate and maintain the stationary CI internal combustion engine and control device according to the manufacturer's written instructions or procedures developed by the owner or operator that are approved by the engine manufacturer. In addition, only change those settings that are permitted by the manufacturer. Also meet the requirements of 40 CFR 89, 94 and/or 1068, as applicable. Subpart IIII. [40 CFR 60.4211(a)]
48	[40 CFR 60.4211(c)]	Ensure engine is certified to the emission standards in 40 CFR 60.4205(b), as applicable, for the same model year and maximum (or in the case of fire pumps, NFPA nameplate) engine power. Install and configure according to the manufacturer's specifications. Subpart IIII. [40 CFR 60.4211(c)]
49	[40 CFR 60.4214(b)]	Operating time recordkeeping by electronic or hard copy upon occurrence of event. If the emergency engine does not meet the standards applicable to non-emergency engines in the applicable model year, keep records of the operation of the engine in emergency and non-emergency service that are recorded through the non-resettable hour meter. Record the time of operation of the engine and the reason the engine was in operation during that time. Subpart IIII. [40 CFR 60.4214(b)]
50	[40 CFR 63.6590(c)]	Compliance with all the applicable provisions of NSPS, 40 CFR 60 Subpart IIII has been determined to be compliance in accordance with all the appilcable requirements of NESHAP, 40 CFR 63 Subpart ZZZZ. [40 CFR 63.6590(c)]

EQT 0047 1-10 - 520 hp Emergency Generator

51 [LAC 33:III.1101.B] Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.
Which Months: All Year Statistical Basis: None specified

52 [LAC 33:III.1311.C] Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.
Which Months: All Year Statistical Basis: Six-minute average

FUG 0001 10-78 - Fugitive Emissions (Clovelly Dome)

53 [LAC 33:III.2111] Equip all rotary pumps and compressors handling volatile organic compounds having a true vapor pressure of 1.5 psia or greater at handling conditions with mechanical seals or other equivalent equipment.

GRP 0003 TANK CAP - Crude Oil Storage Tank CAP (Clovelly Dome)

Group Members: EQT 0027 EQT 0028 EQT 0029 EQT 0030 EQT 0031 EQT 0032 EQT 0033 EQT 0034 EQT 0035 EQT 0036 EQT 0037 EQT 0038 EQT 0039 EQT 0040 EQT 0041 EQT 0042 EQT 0043 EQT 0044 EQT 0045 EQT 0046

54 [LAC 33:III.507.H.1.a] Permittee shall show compliance with the limits of this permit by maintaining the total overall calculated VOC emissions, Emission Point TANK CAP based on the throughput and landing losses from all the tanks listed below to no more than 175.28 tons per year. The overall VOC emission of the tanks shall be calculated using tank throughput and landing losses shall be recorded each month, as well as the VOC emission calculated for all the tanks for the last twelve months and recorded each month. These records shall be kept on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. Total overall calculated VOC emissions from the tanks above the maximum listed in this specific condition for any twelve consecutive month period shall be a violation of this permit and must be reported to the Office of Environmental Compliance, Enforcement Division. A report showing the overall calculated VOC emissions shall be submitted to the Office of Environmental Compliance, Surveillance Division by March 31 for the preceding calendar year

Emisson Point 1-99 thru 4-99, 6-02, 7-02, 8-07 thru 15-07, and 16-10 thru 21-10.

CRG 0001 GP - Generators and Pumps

Group Members: EQT 0009 EQT 0011 EQT 0012 EQT 0013 EQT 0014 EQT 0015 EQT 0018 EQT 0019 EQT 0020 EQT 0021 EQT 0022 EQT 0023 EQT 0024 EQT 0025 EQT 0026

55 [40 CFR 63.6595(a)] Comply with the applicable emission limitations and operating limitations under the provisions of NESHAP, 40 CFR 63 Subpart ZZZZ no later than May 3, 2013. [40 CFR 63.6595(a)]

CRG 0001 GP - Generators and Pumps

56	[40 CFR 63.6603(a)]	Equipment/operational data monitored by visual inspection/determination annually or every 1,000 hours of operation, whichever comes first. Inspect air cleaner. Subpart ZZZZ. [40 CFR 63.6603(a)] Which Months: All Year Statistical Basis: None specified
57	[40 CFR 63.6603(a)]	Equipment/operational data monitored by visual inspection/determination annually or every 500 hours of operation, whichever comes first. Inspect all hoses and belts, and replace as necessary. Subpart ZZZZ. [40 CFR 63.6603(a)] Which Months: All Year Statistical Basis: None specified
58	[40 CFR 63.6603(a)]	Change oil and filter every 500 hours of operation or annually, whichever comes first. Subpart ZZZZ. [40 CFR 63.6603(a)]
59	[40 CFR 63.6603(a)]	Minimize the engine's time spent at idle and minimize the engine's startup time at startup to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes. Subpart ZZZZ. [40 CFR 63.6603(a), 40 CFR 63.6625(h)]
60	[40 CFR 63.6605(a)]	Be in compliance with emission limitations and operating limitations in 40 CFR 63 Subpart ZZZZ at all times. Subpart ZZZZ. [40 CFR 63.6605(a)]
61	[40 CFR 63.6605(b)]	Operate and maintain at all times in a manner consistent with safety and good air pollution control practices for minimizing emissions. Subpart ZZZZ. [40 CFR 63.6605(b)]
62	[40 CFR 63.6625(e)]	Operate and maintain the stationary RICE and after-treatment control device (if any) according to the manufacturer's emission-related written instructions or develop a maintenance plan which provides to the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions. Subpart ZZZZ. [40 CFR 63.6625(e)]
63	[40 CFR 63.6625(f)]	Install a non-resettable hour meter. Subpart ZZZZ. [40 CFR 63.6625(f)]
64	[40 CFR 63.6640(a)]	Demonstrate continuous compliance with each applicable emission limitation and operating limitation in 40 CFR 63 Subpart ZZZZ Tables 1a and 1b, Tables 2a and 2b, Table 2c, and Table 2d according to methods specified in 40 CFR 63 Subpart ZZZZ Table 6. Subpart ZZZZ. [40 CFR 63.6640(a)]
65	[40 CFR 63.6640(f)(1)(ii)]	Operate for the purpose of maintenance checks and readiness testing, provided that the tests are recommended by Federal, State or local government, the manufacturer, the vendor, or the insurance company associated with the engine. Limit maintenance checks and readiness testing to 100 hours per year. Subpart ZZZZ. [40 CFR 63.6640(f)(1)(ii)]
66	[40 CFR 63.6640(f)(1)(iii)]	Operate up to 50 hours per year in non-emergency situations, but count those 50 hours towards the 100 hours per year provided for maintenance and testing. Do not use the 50 hours per year for peak shaving or to generate income for a facility to supply power to an electric grid or otherwise supply power as part of a financial arrangement with another entity; except that the emergency engine may be operated for a maximum of 15 hours per year as part of a demand response program if the regional transmission organization or equivalent balancing authority and transmission operator has determined there are emergency conditions that could lead to a potential electrical blackout, such as unusually low frequency, equipment overload, capacity or energy deficiency, or unacceptable voltage level. Do not operate for more than 30 minutes prior to the time when the emergency condition is expected to occur, and terminate the engine operation immediately after the facility is notified that the emergency condition is no longer imminent. Count the 15 hours per year of demand response operation as part of the 50 hours of operation per year provided for non-emergency situations. Subpart ZZZZ. [40 CFR 63.6640(f)(1)(iii)]
67	[40 CFR 63.6655]	Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in 40 CFR 63.6655(a) through (f), as applicable. Subpart ZZZZ.

CRG 0001 GP - Generators and Pumps

68	[LAC 33:III.1101.B]	Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. Which Months: All Year Statistical Basis: None specified
69	[LAC 33:III.1311.C]	Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. Which Months: All Year Statistical Basis: Six-minute average

CRG 0002 STKS - Storage Tanks

Group Members: EQT 0027 EQT 0028 EQT 0029 EQT 0030 EQT 0031 EQT 0032 EQT 0033 EQT 0034 EQT 0035 EQT 0036 EQT 0037 EQT 0038 EQT 0039 EQT 0040 EQT 0041 EQT 0042 EQT 0043 EQT 0044 EQT 0045 EQT 0046

70	[40 CFR 60.112b(a)(2)(ii)]	Except for automatic bleeder vents and rim space vents, each opening in a noncontact external floating roof shall provide a projection below the liquid surface. Except for automatic bleeder vents, rim space vents, roof drains, and leg sleeves, equip each opening in the roof with a gasketed cover, seal, or lid and maintain in a closed position at all times (i.e., no visible gap) except when the device is in actual use. Close automatic bleeder vents at all times when the roof is floating except when the roof is being floated off or is being landed on the roof leg supports. Set rim vents to open when the roof is being floated off the roof legs supports or at the manufacturer's recommended setting. Equip automatic bleeder vents and rim space vents with gaskets. Provide each emergency roof drain with a slotted membrane fabric cover that covers at least 90 percent of the area of the opening. Subpart Kb. [40 CFR 60.112b(a)(2)(ii)]
71	[40 CFR 60.112b(a)(2)]	Equip with an external floating roof consisting of a pontoon-type or double-deck type cover that rests on the liquid surface in a vessel with no fixed roof. Equip with a closure device between the wall of the storage vessel and the roof edge. The closure device consists of two seals, secondary above the primary. The primary seal shall be either a mechanical shoe seal or a liquid-mounted seal. Except as provided in 40 CFR 60.113b(b)(4), the primary seal shall completely cover the annular space between the edge of the floating roof and tank wall. The secondary seal shall completely cover the annular space between the external floating roof and the wall of the storage vessel in a continuous fashion except as allowed in 40 CFR 60.113b(b)(4). The roof shall be floating on the liquid at all times (i.e., off the roof leg supports) except during initial fill until the roof is lifted off leg supports and when the tank is completely emptied and subsequently refilled. The process of filling, emptying, or refilling when the roof is resting on the leg supports shall be continuous and shall be accomplished as rapidly as possible. Subpart Kb. [40 CFR 60.112b(a)(2)]
72	[40 CFR 60.113b(b)(3)]	Add the gap surface area of each gap location for the primary seal and the secondary seal individually and divide the sum for each seal by the nominal diameter of the tank and compare each ratio to the respective standards in 40 CFR 60.113b(b)(4). Subpart Kb. [40 CFR 60.113b(b)(3)]
73	[40 CFR 60.113b(b)(4)(i)(A)]	One end of the mechanical shoe is to extend into the stored liquid, and the other end is to extend a minimum vertical distance of 61 cm above the stored liquid surface. Subpart Kb. [40 CFR 60.113b(b)(4)(i)(A)]
74	[40 CFR 60.113b(b)(4)(i)(B)]	There are to be no holes, tears, or other openings in the shoe, primary seal fabric, or seal envelope. Subpart Kb. [40 CFR 60.113b(b)(4)(i)(B)]

SPECIFIC REQUIREMENTS

AI ID: 4634 - LOOP LLC - Port Complex
Activity Number: PER20100001
Permit Number: 1560-00027-V0
Air - Title V Regular Permit Initial

CRG 0002 STKS - Storage Tanks

75	[40 CFR 60.113b(b)(4)(i)]	Seal gap width <= 3.81 cm for the width of any portion of any gap between the tank wall and the mechanical shoe or liquid-mounted primary seal. Subpart Kb. [40 CFR 60.113b(b)(4)(i)] Which Months: All Year Statistical Basis: None specified
76	[40 CFR 60.113b(b)(4)(i)]	Seal gap area <= 212 cm^2/m of tank diameter (accumulated area) for gaps between the tank wall and the mechanical shoe or liquid-mounted primary seal. Subpart Kb. [40 CFR 60.113b(b)(4)(i)] Which Months: All Year Statistical Basis: None specified
77	[40 CFR 60.113b(b)(4)(ii)(A)]	Install the secondary seal above the primary seal so that it completely covers the space between the roof edge and the tank wall except as provided in 60.113b(b)(2)(iii). Subpart Kb. [40 CFR 60.113b(b)(4)(ii)(A)]
78	[40 CFR 60 113b(b)(4)(ii)(B)]	Seal gap area <= 21.2 cm^2/m of tank diameter (accumulated area) for gaps between the tank wall and the secondary seal. Subpart Kb. [40 CFR 60.113b(b)(4)(ii)(B)] Which Months: All Year Statistical Basis: None specified
79	[40 CFR 60.113b(b)(4)(ii)(B)]	Seal gap width <= 1.27 cm for the width of any portion of any gap between the tank wall and the secondary seal. Subpart Kb. [40 CFR 60.113b(b)(4)(ii)(B)] Which Months: All Year Statistical Basis: None specified
80	[40 CFR 60 113b(b)(4)(ii)(C)]	There are to be no holes, tears, or other openings in the secondary seal or seal fabric. Subpart Kb. [40 CFR 60.113b(b)(4)(ii)(C)]
81	[40 CFR 60.113b(b)(4)]	Make necessary repairs or empty the storage vessel within 45 days of identification in any inspection for seals not meeting the requirements listed in 40 CFR 60.113b(b)(4) (i) and (ii) except as specified in 40 CFR 60.113b(b)(4)(iii). Subpart Kb. [40 CFR 60.113b(b)(4)]
82	[40 CFR 60.113b(b)(5)]	Submit notification: Due at least 30 days in advance of any gap measurements required by 40 CFR 60.113b(b)(1) to afford DEQ the opportunity to have an observer present. Subpart Kb. [40 CFR 60.113b(b)(5)]
83	[40 CFR 60.113b(b)(6)(i)]	If the external floating roof has defects, the primary seal has holes, tears, or other openings in the seal or the seal fabric, or the secondary seal has holes, tears, or other openings in the seal or the seal fabric, repair the items as necessary so that none of the conditions specified in this paragraph exist before filling or refilling the storage vessel with VOL. Subpart Kb. [40 CFR 60.113b(b)(6)(i)]
84	[40 CFR 60.113b(b)(6)(ii)]	Submit notification in writing: Due at least 30 days prior to the filling or refilling of each storage vessel for which an inspection is required by 40 CFR 60.113b(6) to afford DEQ an opportunity to inspect the storage vessel prior to refilling. If the inspection required by paragraph 40 CFR 60.113b(b)(6) is not planned and the owner or operator could not have known about the inspection 30 days in advance or refilling the tank, notify DEQ at least 7 days prior to the refilling of the storage vessel. Notify by telephone immediately followed by written documentation demonstrating why the inspection was unplanned. Alternatively, submit notification in writing including the written documentation and send by express mail so that it is received by DEQ at least 7 days prior to the refilling. Subpart Kb. [40 CFR 60.113b(b)(6)(ii)]
85	[40 CFR 60.113b(b)(6)]	Tank roof and seals monitored by visual inspection/determination at the regulation's specified frequency. Inspect the external floating roof, the primary seal, the secondary seal, and fittings each time the storage vessel is emptied and degassed. Subpart Kb. [40 CFR 60.113b(b)(6)] Which Months: All Year Statistical Basis: None specified
86	[40 CFR 60.115b(b)(1)]	Submit a report: Due to DEQ as an attachment to the notification required by 40 CFR 60.7(a)(3). This report shall describe the control equipment and certify that the control equipment meets the specifications of 40 CFR 60.112b(a)(2) and 60.113b(b)(2), (b)(3), and (b)(4). Keep copies of all reports for at least two years Subpart Kb. [40 CFR 60.115b(b)(1)]

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87	[40 CFR 60.115b(b)(2)]	Submit a report: Due to DEQ within 60 days of performing the seal gap measurements required by 40 CFR 60.113b(b)(1). The report shall contain: 1) the date of measurement, 2) the raw data obtained in the measurement, 3) the calculations described in 40 CFR 60.113b(b)(2) and (b)(3). Keep copies of all reports for at least two years. Subpart Kb. [40 CFR 60.115b(b)(2)]
88	[40 CFR 60.115b(b)(3)]	Gap measurement(s) recordkeeping by electronic or hard copy upon each occurrence of gap measurement performance, as required by 40 CFR 60.113b(b). Each record shall identify the storage vessel in which the measurement was performed and shall contain: 1) the date of measurement, 2) the raw data obtained in the measurement, 3) the calculations described in 40 CFR 60.113b(b)(2) and (b)(3). Keep copies of all records for at least two years. Subpart Kb. [40 CFR 60.115b(b)(3)]
89	[40 CFR 60.115b(b)(4)]	Submit a report: Due to DEQ within 30 days after each seal gap measurement that detects gaps exceeding the limitations specified by 40 CFR 60.113b(b)(4). The report will identify the vessel and contain the information specified in 40 CFR 60.115b(b)(2) and the date the vessel was emptied or the repairs made and date of repair. Keep copies of all reports for at least two years. Subpart Kb. [40 CFR 60.115b(b)(4)]
90	[40 CFR 60.116b(b)]	Equipment/operational data recordkeeping by electronic or hard copy at the approved frequency. Keep readily accessible records showing the dimension of the storage vessel and an analysis showing the capacity of the storage vessel. Keep copies of all records for the life of the source as specified by 40 CFR 60.116b(a). Subpart Kb. [40 CFR 60.116b(b)]
91	[40 CFR 60.116b(c)]	VOL storage data recordkeeping by electronic or hard copy at the approved frequency. Records consist of the VOL stored, the period of storage, and the maximum true vapor pressure of that VOL during the respective storage period. Keep copies of all records for at least two years. Subpart Kb. [40 CFR 60.116b(c)]
92	[40 CFR 60.116b(d)]	Submit notification: Due within 30 days when the maximum true vapor pressure of the liquid exceeds the respective maximum true vapor pressure values for each volume range. Subpart Kb. [40 CFR 60.116b(d)]
93	[LAC 33:III.2103.B]	Equip with a submerged fill pipe.
94	[LAC 33:III.2103.D.2.a]	Seal closure devices required in LAC 33:III.2103.D shall have no visible holes, tears, or other openings in the seals or seal fabric.
95	[LAC 33:III.2103.D.2.b]	Seal closure devices required in LAC 33:III.2103.D shall be intact and uniformly in place around the circumference of the floating roof and the tank wall.
96	[LAC 33:III.2103.D.2.c]	Seal gap area <= 1 in^2/ft of tank diameter (6.5 cm2/0.3 m), for gaps between the secondary seal and tank wall that exceed 1/8 inch (0.32 cm) in width. Which Months: All Year Statistical Basis: None specified
97	[LAC 33:III.2103.D.2.d]	Seal gap area <= 10 in^2/ft of tank diameter (65 cm2/0.3 m), for gaps between the primary seal and tank wall that exceed 1/8 inch (0.32 cm) in width. Which Months: All Year Statistical Basis: None specified
98	[LAC 33:III.2103.D.2.e]	Equipment/operational data recordkeeping by electronic or hard copy upon occurrence of event. Keep records of conditions that are not up to the standards described in LAC 33:III.2103.D.2, and the date(s) that the standards are not met. Notify the administrative authority within seven days of noncompliance with LAC 33:III.2103.D.2.
99	[LAC 33:III.2103.D.2.e]	Initiate repairs of seals within seven working days of recognition of defective conditions by ordering appropriate parts, to avoid noncompliance with LAC 33:III.2103. Complete repairs within three months of the ordering of the repair parts.
100	[LAC 33:III.2103.D.2.e]	Secondary seals: Seal gap area & width monitored by measurement annually at any tank level, provided the roof is off its legs. Which Months: All Year Statistical Basis: None specified

SPECIFIC REQUIREMENTS

AI ID: 4634 - LOOP LLC - Port Complex
Activity Number: PER20100001
Permit Number: 1560-00027-V0
Air - Title V Regular Permit Initial

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101	[LAC 33:III.2103.D.2.e]	Secondary Seal or closure mechanism monitored by visual inspection/determination semiannually. Which Months: All Year Statistical Basis: None specified
102	[LAC 33:III.2103.D.2 e]	Primary seals: Seal gap area & width monitored by measurement once every five years at any tank level, provided the roof is off its legs. Which Months: All Year Statistical Basis: None specified
103	[LAC 33:III.2103.D.3]	Provide all openings in the external floating roof (except for automatic bleeder vents, rim space vent, and leg sleeves) with a projection below the liquid surface. Equip each opening in the roof (except for automatic bleeder vents, rim space vents, roof drains, and leg sleeves) with a cover, seal or lid that is to be maintained in a closed position at all times except when the device is in actual use. Keep automatic bleeder vents closed at all times except when the roof is being floated off the roof leg supports. Set rim vents to open when the roof is being floated off the roof leg supports or at the manufacturer's recommended setting. Equip any emergency roof drain with a slotted membrane fabric cover or equivalent cover that covers at least 90 percent of the opening.
104	[LAC 33:III.2103.D.3]	Equip all covers, seals, lids, automatic bleeder vents and rim space vents with gaskets.
105	[LAC 33:III.2103.D]	Equip with an external floating roof consisting of a pontoon type roof, double deck type roof, or external floating cover which will rest or float on the surface of the liquid contents and is equipped with a primary closure seal to close the space between the roof edge and tank wall and a continuous secondary seal (a rim mounted secondary) extending from the floating roof to the tank wall.
106	[LAC 33:III.2103.H.1]	Determine compliance with LAC 33:III.2103.D.2 and 4 using the methods in LAC 33:III.2103.H.1.
107	[LAC 33:III.2103.H.3]	Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-c.
108	[LAC 33:III.2103.I]	Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable.

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109	[40 CFR 60.]	All affected facilities shall comply with all applicable provisions in 40 CFR 60 Subpart A.
110	[40 CFR 63.6640(b)]	Report each instance in which each applicable emission limitation or operating limitation in 40 CFR 63 Subpart ZZZZ Tables 1a and 1b, Tables 2a and 2b, Table 2c, and Table 2d were not met according to the requirements of 40 CFR 63.6650. Subpart ZZZZ. [40 CFR 63.6640(b)]
111	[40 CFR 63.6640(e)]	Report each instance in which the applicable requirements in 40 CFR 63 Subpart ZZZZ Table 8 were not met. Subpart ZZZZ. [40 CFR 63.6640(e)]
112	[40 CFR 63.6650(f)]	Report all deviations as defined in 40 CFR 63 Subpart ZZZZ in the semiannual monitoring report required by 40 CFR 70.6(a)(3)(iii)(A) or 40 CFR 71.6(a)(3)(iii)(A). Subpart ZZZZ. [40 CFR 63.6650(f)]
113	[40 CFR 63.6660(a)]	Keep records in a form suitable and readily available for expeditious review according to 40 CFR 63.10(b)(1). Subpart ZZZZ. [40 CFR 63.6660(a)]
114	[40 CFR 63.6660(b)]	Keep each record for 5 years following the date of each occurrence, measurement, maintenance, corrective action, report, or record, as specified in 40 CFR 63.10(b)(1). Subpart ZZZZ. [40 CFR 63.6660(b)]
115	[40 CFR 63.6660(c)]	Keep each record readily accessible in hard copy or electronic form on-site for at least 5 years after the date of each occurrence, measurement, maintenance, corrective action, report, or record, according to 40 CFR 63.10(b)(1). Subpart ZZZZ. [40 CFR 63.6660(c)]
116	[40 CFR 63.]	All affected facilities shall comply with all applicable provisions in 40 CFR 63 Subpart A.

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117	[LAC 33:III.1103]	Emissions of smoke which pass onto or across a public road and create a traffic hazard by impairment of visibility as defined in LAC 33:III.111 or intensify an existing traffic hazard condition are prohibited.
118	[LAC 33:III.1303.B]	Emissions of particulate matter which pass onto or across a public road and create a traffic hazard by impairment of visibility or intensify an existing traffic hazard condition are prohibited.
119	[LAC 33:III.1305]	Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33:III.1305.A.1-7.
120	[LAC 33:III.2113.A]	Maintain best practical housekeeping and maintenance practices at the highest possible standards to reduce the quantity of organic compounds emissions. Good housekeeping shall include, but not be limited to, the practices listed in LAC 33:III.2113.A.1-5.
121	[LAC 33:III.219]	Failure to pay the prescribed application fee or annual fee as provided herein, within 90 days after the due date, will constitute a violation of these regulations and shall subject the person to applicable enforcement actions under the Louisiana Environmental Quality Act including, but not limited to, revocation or suspension of the applicable permit, license, registration, or variance.
122	[LAC 33:III.2901.D]	Discharges of odorous substances at or beyond property lines which cause a perceived odor intensity of six or greater on the specified eight point butanol scale as determined by Method 41 of LAC 33:III.2901.G are prohibited.
123	[LAC 33:III.2901.F]	If requested to monitor for odor intensity, take and transport samples in a manner which minimizes alteration of the samples either by contamination or loss of material. Evaluate all samples as soon after collection as possible in accordance with the procedures set forth in LAC 33:III.2901.G.
124	[LAC 33:III.535]	Comply with the Part 70 General Conditions as set forth in LAC 33:III.535 and the Louisiana General Conditions as set forth in LAC 33:III.537. [LAC 33:III.535, LAC 33:III.537]
125	[LAC 33:III.5611.A]	Submit standby plan for the reduction or elimination of emissions during an Air Pollution Alert, Air Pollution Warning, or Air Pollution Emergency: Due within 30 days after requested by the administrative authority.
126	[LAC 33:III.5611.B]	During an Air Pollution Alert, Air Pollution Warning or Air Pollution Emergency, make the standby plan available on the premises to any person authorized by the department to enforce these regulations.
127	[LAC 33:III.905]	Install air pollution control facilities whenever practically, economically, and technologically feasible. When facilities have been installed on a property, use them and diligently maintain them in proper working order whenever any emissions are being made which can be controlled by the facilities, even though the ambient air quality standards in affected areas are not exceeded.
128	[LAC 33:III.913]	Provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities, exclusive of instruments and sensing devices as may be necessary for proper determination of emission limits.
129	[LAC 33:III.917.A]	Where, upon written application of the responsible person or persons, the administrative authority finds that by reason of exceptional circumstances strict conformity with any provisions of these regulations would cause undue hardship, would be unreasonable, impractical or not feasible under the circumstances, the administrative authority may permit a variance from these regulations.
130	[LAC 33:III.917.B]	No variance may permit or authorize the maintenance of a nuisance, or a danger to public health or safety.
131	[LAC 33:III.919.D]	Submit Emission Inventory (EI)/Annual Emissions Statement: Due annually, by the 31st of March for the period January 1 to December 31 of the previous year unless otherwise directed. Submit emission inventory data in the format specified by the Office of Environmental Assessment. Include all data applicable to the emissions source(s), as specified in LAC 33:III.919.A-D.

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132	[LAC 33:III.927]	Report the unauthorized discharge of any air pollutant into the atmosphere in accordance with LAC 33:I.Chapter 39, Notification Regulations and Procedures for Unauthorized Discharges. Submit written reports to the department pursuant to LAC 33:I.3925. Submit timely and appropriate follow-up reports detailing methods and procedures to be used to prevent similar atmospheric releases.
133	[LAC 33:III.929.A]	No person or group of persons shall allow particulate matter or gases to become airborne in amounts which cause the ambient air quality standards to be exceeded.